

# PATENT ABSTRACTS OF JAPAN

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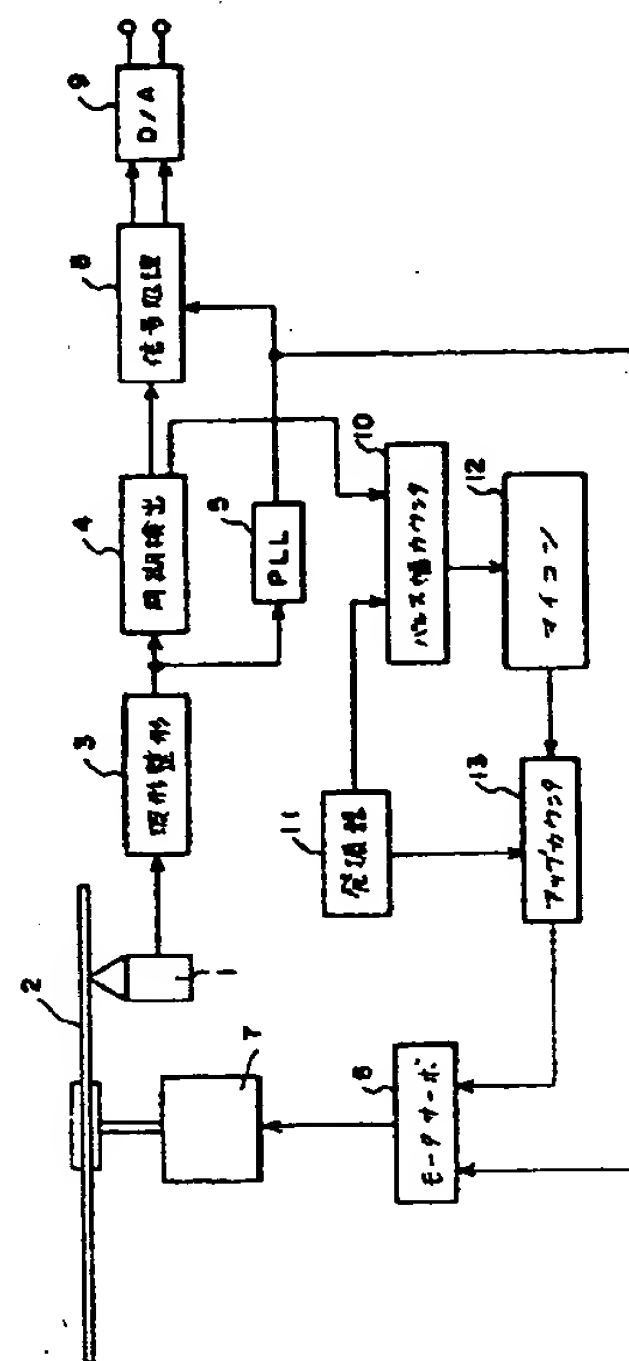
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## (54) METHOD OF STOPPING ROTOR

### (57)Abstract:

**PURPOSE:** To stop a rotor surely by calculating a time required for braking when the rotor is braked by applying a braking voltage thereto, and applying the voltage only for this time.

**CONSTITUTION:** After a signal read by a pickup 1 from a disk 2 is binarized by a waveform shaper 3, it is fed to a synchronous detector 4 to detect a synchronizing pulse. This pulse is detected by a clock generated by a PLL circuit 5, applied to a motor servo circuit 6 to control the rotation of a spindle motor 7. The binarized signal becomes a reproduction signal through a digital signal processor 8 and a D/A converter 9. Further, a microcomputer 12 and an up counter 13 as a timer are provided. A period until the rotating speed becomes 1/3 of an initial speed is measured, an applying time of a reverse rotary drive voltage is calculated from a deceleration ratio, etc., and applied to the motor 7. Thus, the rotation of the disk can be stopped rapidly and effectively.



## LEGAL STATUS

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